

In re Application of MADHAVAPEDDI et al.
Serial No. 09/537,995

Listing of the Claims:

1. (currently amended) A method for obtaining information for packets transmitted over a network, comprising:

transmitting a plurality of packets from a sender to a receiver, including at ~~least one selected packet~~ a plurality of selected packets;

associating a sender-relative timestamp with each of the plurality of selected packet transmitted;

receiving at least some of the plurality of packets, including at least some of the plurality of selected packets;

associating a receiver-relative timestamp with each of the plurality of selected packet received; and

associating a latency relative to the actual time between when each selected packet is sent and when each selected packet is received that is based on the sender-relative timestamp and the receiver-relative timestamp associated with each selected packet received; and

normalizing the latency associated with each selected packet, including detecting clock skew and adjusting information maintained for each selected packet to compensate for the clock skew, wherein detecting clock skew comprises logically finding a slope based on information maintained with the plurality of selected packets received.

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2. (original) The method of claim 1 wherein associating the sender-relative timestamp includes placing a local timestamp of the sender into each selected packet.

3. (original) The method of claim 1 wherein associating the receiver-relative timestamp includes placing a local timestamp of the receiver into each selected packet.

4. (original) The method of claim 1 wherein associating the sender-relative timestamp includes placing a local timestamp of the sender into each selected packet, and associating the receiver-relative timestamp includes placing a local timestamp of the receiver into each selected packet.

5. (original) The method of claim 1 further comprising uniquely identifying each selected packet.

6. (original) The method of claim 5 wherein uniquely identifying each selected packet includes writing a sequence number.

7. (canceled).

8. (currently amended) The method of claim 7 1 ~~wherein at least two~~
~~selected packets are received, and~~ wherein normalizing the latency includes

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selecting the lowest latency from each of the latencies associated with each selected packet.

9. (currently amended) The method of claim 7 1 wherein normalizing the latency includes detecting at least one timer jump and adjusting information maintained for each selected packet to compensate therefor.

10 - 11. (canceled).

12. (original) The method of claim 1 further comprising, normalizing the sender-relative timestamp associated with each selected packet.

13. (original) The method of claim 1 further comprising, normalizing the receiver-relative timestamp associated with each selected packet.

14. (original) The method of claim 1 wherein the network is a controlled network, and further comprising running a calibration phase during transmission of at least some of the transmitted packets.

15. (original) The method of claim 1 further comprising, generating noise by transmitting other packets on the network.

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16. (original) The method of claim 1 further comprising, enabling network quality of service.

17. (original) The method of claim 1 further comprising, detecting dropped packets.

18. (original) A computer-readable medium having computer-executable instructions for performing the method of claim 1.

19 - 41. (canceled)